



UNITED STATES DEPARTMENT OF COMMERCE

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SERIAL NUMBER	FILING DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NO.
679058			

EXAMINER	
<i>Burd</i>	
ART UNIT	PAPER NUMBER
212	B
DATE MAILED:	

EXAMINER INTERVIEW SUMMARY RECORD

All participants (applicant, applicant's representative, PTO personnel):

(1) Mr Kusters (3) _____

(2) _____ (4) _____

Date of interview 2/10/86Type: Telephonic Personal (copy is given to applicant applicant's representative).Exhibit shown or demonstration conducted: Yes No. If yes, brief description: _____Agreement was reached with respect to some or all of the claims in question. was not reached.Claims discussed: Not claim 1 amendedIdentification of prior art discussed: AllDescription of the general nature of what was agreed to if an agreement was reached, or any other comments: New claimfeatures separation of all layers, including a matching layer.

(A fuller description, if necessary, and a copy of the amendments, if available, which the examiner agreed would render the claims allowable must be attached. Also, where no copy of the amendments which would render the claims allowable is available, a summary thereof must be attached.)

Unless the paragraphs below have been checked to indicate to the contrary, A FORMAL WRITTEN RESPONSE TO THE LAST OFFICE ACTION IS NOT WAIVED AND MUST INCLUDE THE SUBSTANCE OF THE INTERVIEW (e.g., items 1-7 on the reverse side of this form). If a response to the last Office action has already been filed, then applicant is given one month from this interview date to provide a statement of the substance of the interview.

 It is not necessary for applicant to provide a separate record of the substance of the interview. Since the examiner's interview summary above (including any attachments) reflects a complete response to each of the objections, rejections and requirements that may be present in the last Office action, and since the claims are now allowable, this completed form is considered to fulfill the response requirements of the last Office action.

Examiner's Signature

Proposed during 2/10/86
Interview
E.A. Kuester

39-1517-2
117/

IN THE UNITED STATES PATENT & TRADEMARK OFFICE

IN RE APPLICATION OF: : GROUP ART UNIT: 212
KAZUFUMI ISHIYAMA :
SERIAL NO: 679,058 :
FILED: DECEMBER 6, 1984 : EXAMINER: BUDD
FOR: CURVILINEAR ARRAY OF
ULTRASONIC TRANSDUCERS

AMENDMENT

HONORABLE COMMISSIONER OF PATENTS & TRADEMARKS
WASHINGTON, D.C. 20231

SIR:

In response to the Official Action dated December 17, 1985, please amend the above-identified patent application as follows:

IN THE CLAIMS

Please cancel without prejudice Claim 4.

Please amend Claims 1 and 5 as follows:

--1. (Amended) A curvilinear array of ultrasonic transducers, comprising:

a base having a curvilinear surface; and,
a flexible transducer assembly bonded to the curvilinear surface of said base, including,

PROPOSED

a flexible backing plate having an acoustic impedance the same as that of said base, said flexible backing plate having opposed sides, one of which is bonded to the curvilinear surface of said base, and an array of ultrasonic transducer elements disposed on the other side of said flexible backing plate, said array of transducer elements comprising a piezoelectric ceramic plate having opposed sides, electrode layers provided on the opposed sides of said piezoelectric ceramic plate, and a matching layer formed on a selected of said electrode layers, said array having grooves cut [therein] through said piezoelectric ceramic plate, said electrode layers and said matching layer at least through the flexible backing plate to define individual transducer elements and to isolate said individual transducer elements.--

Claim 5, 1, line 1, change "4" to --1--;

line 2, change "layers" to --layer--.

REMARKS

Favorable reconsideration of this application as presently amended and in light of the following discussion is respectfully requested.

Claims 1-3, 5 and 6 are presently active in this case, Claim 4 having been cancelled and Claims 1 and 5 amended by way of the present amendment, Claim 7 having been previously withdrawn from consideration.